



# **ClearFlood**

# BVP650 LED420-4S/740 DX51 ALU PSU

ClearFlood, LED module 42000 lm, LED, Power supply unit (On/Off), Distribution extra wide 51, Aluminum

ClearFlood is a range of floodlights that enables you to choose the exact lumen rating that you need for your specific application. Designed around state-of-the-art LEDs and extremely high-efficiency optics, this very competitive solution offers an industry-leading lux per euro ratio and significant energy savings. The choice of different optics in the ClearFlood range opens new application possibilities for LEDs. ClearFlood BVP650 is also easy to install and to maintain.

#### **Product data**

| General Information      |   |
|--------------------------|---|
| Lamp family code         | LED420 [LED module 42000 lm]                    |
| Light source replaceable | Yes   |
| Number of gear units     | 2 units   |
| Driver included          | Yes   |
| Remarks                  | *-Per Lighting Europe guidance paper            |
|                          | "Evaluating performance of LED based            |
|                          | luminaires - January 2018": statistically there |
|                          | is no relevant difference in lumen              |
|                          | maintenance between B50 and for example         |
|                          | B10. Therefore, the median useful life (B50)    |
|                          | value also represents the B10 value. * At       |
|                          | extreme ambient temperatures the luminaire      |
|                          | might automatically dim down to protect         |
|                          | components                                      |
| Light source engine type | LED   |
| Product family code      | BVP650 [ClearFlood]                             |
| Lighting Technology      | LED   |
|                          |   |

| Value ladder                       | Specification                      |
|------------------------------------|------------------------------------|
| CE mark                            | Yes                                |
| Warranty period                    | 5 years                            |
| Flammability mark                  | For mounting on normally flammable |
|                                    | surfaces                           |
| ENEC mark                          | ENEC mark                          |
| EU RoHS compliant                  | Yes                                |
|                                    |                                    |
| Light Technical                    |                                    |
| Upward light output ratio          | 0                                  |
| Luminous Flux                      | 21,000 lm                          |
| Standard tilt angle posttop        | 0°                                 |
| Standard tilt angle side entry     | 0°                                 |
| Correlated Color Temperature (Nom) | 4000 K                             |
| Luminous Efficacy (rated) (Nom)    | 79 lm/W                            |
| Color rendering index (CRI)        | 70                                 |
| Light source color                 | 740 neutral white                  |
|                                    |                                    |

Datasheet, 2024, January 22 data subject to change

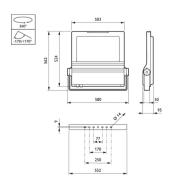
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| Optical cover type                     | Flat glass                  |
|--|-----------------------------|
| Luminaire light beam spread            | 14° - 5° x 132°             |
| Optic type outdoor                     | Distribution extra wide 51  |
|  |                             |
| Operating and Electrical               |                             |
| Input Voltage                          | 220-240 V                   |
| Line Frequency                         | 50 to 60 Hz                 |
| Inrush current                         | 53 A                        |
| Inrush time                            | 0.3 ms                      |
| Power Consumption                      | 265 W                       |
| Power Factor (Fraction)                | 0.99                        |
| Connection                             | Connection unit 3-pole      |
| Cable                                  | -                           |
| Number of products on MCB of 16 A type | 4                           |
| В                                      |                             |
|  |                             |
| Temperature                            |                             |
| Ambient temperature range              | -40 to +50 °C               |
|  |                             |
| Controls and Dimming                   |                             |
| Dimmable                               | No                          |
| Driver/power unit/transformer          | Power supply unit (On/Off)  |
| Constant light output                  | No                          |
|  |                             |
| Mechanical and Housing                 |                             |
| Housing Material                       | Aluminum die cast           |
| Reflector material                     | -                           |
| Optic material                         | Acrylate                    |
| Optical cover material                 | Glass                       |
| Fixation material                      | Steel                       |
| Housing Color                          | Aluminum                    |
| Mounting device                        | Mounting bracket adjustable |
| Optical cover shape                    | Flat                        |
| Optical cover finish                   | Clear                       |
| Overall length                         | 529 mm                      |
| Overall width                          | 580 mm                      |
| Overall height                         | 95 mm                       |
| Effective projected area               | 0.26 m²                     |
|  |                             |

| Dimensions (Height x Width x Depth)        | 95 x 580 x 529 mm                            |  |
|--|--|--|
| Approval and Application                   |  |  |
| Ingress protection code                    | IP66 [Dust penetration-protected, jet-proof] |  |
|  |  |  |
| Mech. impact protection code               | IK09 [10 J]                                  |  |
| Surge Protection (Common/Differential)     | Luminaire surge protection level until 6 kV  |  |
|  | differential mode and 8 kV common mode       |  |
| Sustainability rating                      | Lighting for circularity                     |  |
| Protection class IEC                       | Safety class I                               |  |
| Initial Performance (IEC Compliant)        |  |  |
| Luminous flux tolerance                    | +/-7%  |  |
| Initial chromaticity                       | (0.380, 0.390) SDCM <5                       |  |
| Power consumption tolerance                | +/-10%                                       |  |
| Init. Color Rendering Index Tolerance      | +/-2   |  |
| Over Time Performance (IEC Compliant)      |  |  |
| Control gear failure rate at median useful | 10 %   |  |
| life 100000 h                              |  |  |
| Lumen maintenance at median useful         | L95  |  |
| life* 100000 h                             |  |  |
| Application Conditions                     |  |  |
| Performance ambient temperature Tq         | 25 °C  |  |
| <u> </u>                                   |  |  |
| Product Data                               |  |  |
| Order product name                         | BVP650 LED420-4S/740 DX51 ALU PSU            |  |
| Full product name                          | BVP650 LED420-4S/740 DX51 ALU PSU            |  |
| Full product code                          | 871869912891300                              |  |
| Order code                                 | 912300023950                                 |  |
| Material Nr. (12NC)                        | 912300023950                                 |  |
| Numerator - Quantity Per Pack              | 1  |  |
| EAN/UPC - Product/Case                     | 8718699128913                                |  |
|  |  |  |

8718699128913

## Dimensional drawing



Numerator - Packs per outer box

EAN/UPC - Case

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